AEE/SSD/SRE/0000ES/19-20 dt. 21/1/2020

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

1st and Final Bill

(For Office Works) Date

Division: BBMP, Dasarahalli

Sub Division: Shettyhalli Sub Division

Bill Received No 210 Dated 18-01-2020

Divisional Cash Book Voucher No Dated

Est.Cost: 15.00 Lakhs Sub Divisional Schedule Docket No Head of Account

D.R No.:

Name of Work (as per sanctioned estimate)	Providing RO Plant in ward No 13 Shettyhalli Sub Division
Name of Contractor and Full Address	Sri.Ravikumar No.501/3, Opp. GIC Mavarandra Road Tavrekere Tumukur
Reference to Agreement No	EE / DD / WO / 353 / 2018-19 dated : 25-02-2019

Certified that the measurements were taken by me on 20/8/19 and recorded in Pages 34627 - 34681 to of measurement Book No. 3463/18-19 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 20/8/19 and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of not imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office

Sub Division Officer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ. ಬೆ

II Memorandum of Payment Work Code: 013-19-000039

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated...../...../.....S.D. No..... Amount adjusted towards cash advance recovery of
   b. Payments cost/store or other material supplied. Now made recovery of amount creditable to this other work Amount paid on this bill Cheque Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No dated..... less adjustments.
7) Net amount due to or from Contractor
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

1st and Final Bill → 144769=00

IT → 14477=00
Lwc → 1447=00
LR → 745=00
CBF → 1448=00
CGST → 12926=00
SGST → 12926=00

(-) adjustments items. 5=029=00

Total amount adjusted - 1390668=00

Net Amount →

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Audited and admitted for Rs. 1447769=00

Passed by Cheque for Rs. 1390668=00

(Rupees Thirteen Lakh Ninety thousand Six Hundred Sixty Eight only)

by adjustment ... 5=029=00

Accounts Superintendent Executive Engineer

B.B.M.P. Dasarahalli Division

Scanned by CamScanner

ವಿವರಣೆ :

ಪರಿಮಾಣ /

Sl No	Description of Item	Unit	Previous Measurements		Present Measurements			Total up to date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m, after breaking of clods complete as per specifications, specification	Cum	-	-	102.60	309.06 / 305.04	31759.59 / 31358.60	102.60	31759.59 / 31358.60
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms thick well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer-in-charge	Cum	-	-	4.19	5517.80 / 5449.50	23119.58 / 22834.16	4.19	23119.58 / 22834.16
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications	Cum	-	-	7.47	4526.48 / 4521.99	33779.04	7.47	34201.24 / 33779.04
4	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chisle dressed in courses not less than 15 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications	Cum	-	-	3.74	5472.97 / 5405.40	20216.20	3.74	20468.90 / 20216.20
5	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum machine mixed, concrete laid in layers not exceeding 15 cms thick well compacted in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications	Cum	-	-	0.41	5949.73 / 5876.28	2409.27	0.41	2439.38 / 2409.27
6	Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications	Cum	-	-	2.55	6962.31 / 6876.36	17534.72	2.55	17853.89 / 17534.72
7	Providing and removing centering, shuttering, strutting, propping etc, and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications	Sqm	-	-	2.49	279.94 / 276.46	697.05 / 688.44	2.49	697.05 / 688.44
8	Providing T M T steel reinforcement for R C C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications	Tonne	-	-	0.26	66273.75 / 65455.56	17018.45	0.26	17231.17 / 17018.45

Scanned by CamScanner

	Description of Item	Unit	Previous Measurements		Present Measurements			Total up to date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
9	Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers mounted on specially designed pipe shaft, with bracket plates guide channels ball bearing arrangements for inside & outside locking with push & pull operations complete including pulling hooks 4Nos handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM complete as per specifications Shutter size 3mx2 8 m	Sqm	-	-	6 24	3129.60 3090 95	19287 59	6 24	19528.70 19287 59
10	Providing and fixing top covers made out of 20 guage M S sheet over pull and push rolling shutters bent to shape including cost of red lead primer coat of painting materials, labour, HOM complete as per specifications	mtr	-	-	2 40	510 84	1226 02	2 40	1261.35 1226 02
11	Providing, fabricating, assembling and fixing in position aluminium partitions using aluminium sections of mat finish or glassy finish in combination of plain grove, single grove and double grove as per requirements for the frames of overall size 63 5mm x 38 1mm with thickness of 2mm having section weight, plain sections 1 054kg/m, single grove thickness 1 95mm, section weight 1 094kg/m, double grove thickness 1 9mm section weight 1 094kg/m and bottom member 114 3 mm x 44 45mm thickness 3 18mm weight 2 646 kg/m, aluminium louvres section of size 36 5mmx34 93mm 1 45mm thick section weight 0 429kg/m, bottom portions provided with 12mm thick prelaminated sheet both sides of approved colour lamination exterior grade upto 0 9m height, spacing of vertical member not exceeding 0 6 m c to c sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and rivetted to the frames, the assembled frame stiffened with corner angles stripped and fixed with screws, rawl plugs and teak wood guthes to R C C columns on sides R C C lintels or beams at top and floor at bottom, including cutting chistelling and making good with cement mortar to match the surface, providing and fixing 5 5mm thick plain glass for middle portion viz 0 9m to 2 13 m and top panel with louvres sections, the glass and panels fitted with glazing clips of 19mmx17 3mm of thickness 0 9mm, weight 0 124kg/m, aluminium sections treated for removal of any rust and prevention of further rust formation, coated with greasy materials for non-adherence of mortars or any other sticky materials, vertical members embedded in the flooring by making suitable sized holes and fixing with cement mortar, with necessary opening for fixing of door of standard size (excluding cost of door) all the frame proughly cleaned, free from rust, scale or dirt including cost of materials, fixtures, labour and HOM complete as per specifications	Sqm	-	-	49 80	517.23 3566 16 3610.74	177594 77	49 80	179814.81 177594 77

Scanned by CamScanner

Sl No	Description of Item	Unit	Previous Measurements		Present Measurements			Total up to date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
12	Providing, fabricating, assembling and fixing in position aluminium doors using following Aluminium mat finish or glossy finish outer frame main section 101 6x44 45mm thickness 3 18mm section weight 2 404 kg/m door shutters vertical section 44 62x44 45mm thickness 3 18mm section weight 1 504kg/m top section 47 62x44 45mm thickness 3 18mm section weight 2 646kg/m bottom section 114 2x44 45 thickness 3 00mm section weight 1 495 kg/m glazing clips weight 1 426kg/m bottom section 49 91x44 45mm thickness 3 00mm section weight 1 124kg/m aluminium sections cut to length joint door central section 49 91x44 45mm thickness 3 00mm section weight 1 124kg/m aluminium sections cut to length joint mitred corners grinded the shutters pivoted providing and fixing arrangement with heavy duty aluminium 19x17 3x11mm thickness 0 9mm section weight 1 124kg/m aluminium sections cut to length joint mitred corners grinded the shutters pivoted providing and fixing arrangement with heavy duty aluminium sliding automatic door closures top mounted providing and fixing standard approved accessories, such as aluminium handle for full width or length, lower bolts, lock, pivots P V C or rubber gasket with 5 5m thick plain glass for top and bottom panel aluminium sections treated for removal of any rust and prevention of further rust formation and coated with greasy materials for non adherance of mortars or any other sticky materials the assembled frame fitted with the corner angles strips and fixed with screws, raw plugs or teakwood gutties to R C C columns or masonry on sides beams and flooring in bottom including cutting, chistling and making good with cement mortar to match the surface all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM complete as per specifications	Sqm	-	-	3 15	6814 80	21466 62	3 15	21466 62
13	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications	Sqm	-	-	6 24	31 32	195 44	6 24	195 44
14	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications	Sqm	-	-	6 24	88 56	552 61	6 24	552 61
15	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width) 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening The total coated thickness (TCT) of the sheet will be 0 47 mm +/- 0 02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses	Sqm	-	-	24 75	831 60	20582 10	24 75	20582 10
16	Supply of water purification unit installation and Commissioning 1000LPH with Chloride plant with mild steel vessel without UV	Nos	-	-	1 00	615000 00	615000 00	1 00	615000 00
17	Additional price for instalation of ultra Voilet System	Nos	-	-	1 00	10000 00	10000 00	1 00	10000 00
18	Stone dust/Grit	Nos	-	-	25 80	1060 00	27348 00	25 80	27348 00
19	Providing and laying in position to required level or slope 230mm of internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications	Nos	-	-	86 00	472 76	40657 36	86 00	40657 36
	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications	Nos	-	-	12 90	2001 28	25816 51	12 90	25816 51

Scanned by CamScanner

	Description of Item	Unit	Previous Measurements		Present Measurements			Total up to date	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
21	Providing and Constructing dry lean cement concrete mix CC 1 5 10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0 86cum and fine aggregates @0 58cum over a prepared sub base coarse and fine aggregate conforming to IS 383-2016 aggregate cement ratio not to exceed 15 1 Aggregate gradation after blending to be as per Table 600-1 OMC at IS light compaction moisture content to be determined during trial length construction Concrete strength not to be less than 10 Mpa at 7 days mixed in a batching plant transported to site and laid in a paver compacting with 8-10 tonnes vibratory roller finishing and curing complete as per specifications Clause 601 of MORTH V Revision and IS 456 Table-5	Nos	-	-	12 90	3884 50	50115 21	12 90	50115 21
22	Constructing unreinforced plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0 69 cum, fine aggregates at 0 46 cum,Coarse and fine aggregate conforming to IS 383-2016, with Superplastizer at 3 lts conforming to IS 9103-1999, mixed in a concrete mixer of not less than 0 6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, armatures as approved, curing compound, finishing to lines and grades as per drawing Complete as per specification M30 (at 360 kg per cum coarse aggregate @ 0 69 cum and fine aggregate @ 0 46 cum	Nos	-	-	12 90	5211	67221 38	12 90	67221 38
23	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto 1 5 m including cost of all labour complete as per specifications	Cum	-	-	51 30	137 16	7036 31	51 30	7036 31
24	Concealed Conduct SystemSupplying heavy gauge PVC Conduit Pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.	Point	-	-	80 00	43 00	3440 00	80 00	3440 00
25	Wiring for lighting power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694 1990 & confirming to GTP	Rmt	-	-	200 00	13 00	2600 00	200 00	2600 00
26	Point wiring copper wire without switch Supplying and Wiring adopting loop system in existing PVC Conduit/Casing Capping using 1100 V Grade Copper Conductor flexible multistrad FRLS PVC insulated 2 x1 5 Sq mm cable Confirming to the GTP without Switch the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block Complete for each outlet	Each	-	-	140 00	29 20	4088 00	140 00	4088 00
			-	-	60 00	42 10	2526 00	60 00	2526 00
			-	-	8 00	144 00	1152 00	8 00	1152 00
			-	-	4 00	215 00	860 00	4 00	860 00
			-	-	2 00	334 00	668 00	2 00	668 00
27	Supplying and fixing of modular Switch sockets stepped electronics fan regulator /drimmer/telephone socket etc on existing modular switch plate Is 3654 and Is 1293	Nos	-	-	4 00	63 00	252 00	4 00	252 00
			-	-	4 00	95 00	380 00	4 00	380 00
			-	-	6 00	114 00	684 00	6 00	684 00
			-	-	6 00	147 00	882 00	6 00	882 00
28	Supplying and fixing of modular Switch sockets/stepped electronics fan regulator /drimmer/telephone socket etc on existing modular switch plate Is 3654 and Is 1293 GROUP B 3.7.18)1000-1200watts Dimmer	Each	-	-	12 00	147 00	5364 00	12 00	5364 00

Scanned by CamScanner

S. No.	Description of Item	Unit	Previous Measurements Qty	Previous Measurements Amount	Present Measurements Qty	Present Measurements Rate	Present Measurements Amount	Total up to date Qty	Total up to date Amount
29	Supplying and Fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and C Type curve indicator ON/Off energy cross-3 with Short circuit breaking	Each	-	-	4.00	418.00	1672.00	4.00	1672.00
30	Supplying fixing wiring earth electrode for grounding conduits I C cutouts and other equipments on the meter board using 40mm dia x 2.90mm thick GI pipe 2.5 mtr long buried in a pit The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc is to be established through GI wire of size as per IS specification 3.3 of IS 732 using 12mm dia bolts nuts washers and check nuts etc the pipe shall have 16 through holes of 12.2 mm dia	Nos	-	-	4.00	2727.00	10904.00	4.00	10904.00
31	Supplying & Fixing of Porcelain fuse Channel with cut out on existing Wooden/panel using necessary nuts bolts and washers 6.7 to 16Amps	Each	-	-	2.00	120.00	240.00	2.00	240.00
32	Supplying 20W type fluorescent tube light fitting of 2' - suitable for 14 watts fluorescent tube fitting made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC Supply including T5 lamp	Each	-	-	10.00	340.00	3400.00	10.00	3400.00
33	SHORT POLES whereas clearance between Messenger wire and ground in indeqaute)a) Supplying and Fixing 40mm diat 2.90 thick GI pipe 1.8m long Complete with atleast 2 GI pipe 1.8m long Complete with atleast 2 Nos of through bolts 12 mm dia with MS back plate 100 x 100 x6mm dia with eye bolt fixed at top deadeninding messanger wire with masonary patch work etc	Each	-	-	2.00	525.00	1050.00	2.00	1050.00
34	INSULATED CABLE ON MESSENGER WIRE Using 2 Single core wires for a single phase and 4 single core wires for 3 phase Supplying and stringing PVC insulated and PVC insualted and PVC Sheated 650/1100 V class aluminium conductor of size supported by 3.15mm (10 SWG)GI messenger wire with two break insulators one at each end of the Span with Suspenders at intervals of 0.75m Each Suspender shall be of porcelan reel insulator of suitable core through which insualted wire passes (singel core or twin core as thr case my be) and this reel insualtor shall be fixed to the messenger wire using 2mm (No 14SWG)GI wire Suitably bent and twisted Seperate reely insulator shll be provided for each wire the messenger wire shall be-ended on the clamp provided to the departmental pole	Rmt	-	-	60.00	85.00	5100.00	60.00	5100.00
						Total Rs			1291145.60
						Add Tender premium - GST 12.1			156293.92
									1613.93
									1549374.7
									1447697.00

Certificate

1 Certified that the contractor has work done satisfactorily

2 The contractor has removed the debries from work site

3 There is no any dept materials issued to contractor

Assistant Engineer
Ward No 13 Mallasandra

Assistant Executive Engineer
Shettyhalli Sub Division
BBMP Bangalore

Scanned by CamScanner